IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1.　　(Currently Amended) A [[carrier]] computer-readable memory medium comprising program instructions executable to:

dynamically determine a plurality of [[possible]] valid parameter values;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of [[possible]] valid parameter values;

receive user input to the graphical user interface to select a first parameter value from the plurality of [[possible]] valid parameter values; and

automatically include the first parameter value in source code of a software program in response to the user input selecting the first parameter value.

2.　　(Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] valid parameter values comprises dynamically determining the plurality of [[possible]] valid parameter values based on a configuration of a computer system.

3.　　(Currently Amended) The [[carrier]] computer-readable memory medium of claim 2,

wherein said dynamically determining the plurality of [[possible]] valid parameter values based on [[a]] the configuration of [[a]] the computer system comprises dynamically determining the plurality of [[possible]] valid parameter values based on a hardware configuration of the computer system.

4.　　(Currently Amended) The [[carrier]] computer-readable memory medium of claim 3,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values based on the hardware configuration of the computer system comprises programmatically examining information regarding the hardware configuration of the computer system.

5.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 3,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values based on the hardware configuration of the computer system comprises programmatically querying software associated with one or more hardware devices coupled to the computer system.

6.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 2,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values based on the configuration of the computer system comprises dynamically determining a first plurality of [[possible]] <u>valid</u> parameter values;

wherein the program instructions are executable to dynamically determine a second plurality of [[possible]] <u>valid</u> parameter values based on the configuration of the computer system after the configuration of the computer system has been changed.

7.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values comprises dynamically determining one or more parameter values corresponding to hardware devices coupled to a computer system;

wherein the first parameter value corresponds to a first hardware device;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first hardware device.

8.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] valid parameter values comprises dynamically determining one or more parameter values corresponding to resources of one or more hardware devices;

wherein the first parameter value corresponds to a first resource of a first hardware device;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first resource of the first hardware device.

9.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] valid parameter values comprises dynamically determining one or more GPIB resources;

wherein the first parameter value comprises a first GPIB resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first GPIB resource.

10.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] valid parameter values comprises dynamically determining one or more Visa resources;

wherein the first parameter value comprises a first Visa resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first Visa resource.

11.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values comprises dynamically determining one or more DAQ resources;

wherein the first parameter value comprises a first DAQ resource;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first DAQ resource.

12.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] <u>valid</u> parameter values comprises dynamically determining one or more universal resource locators (URLs);

wherein the first parameter value comprises a first URL;

wherein said automatically including the first parameter value in source code of the software program comprises automatically configuring source code of the software program with a reference to the first URL.

13.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1, further comprising program instructions executable to:

receive user input specifying filtering criteria for the parameter values;

wherein the graphical user interface visually indicates only a subset of the [[possible]] <u>valid</u> parameter values, wherein the subset is determined based on the specified filtering criteria.

14.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1, further comprising program instructions executable to:

receive user input requesting to display the graphical user interface for selecting [[a]] <u>the</u> parameter value;

wherein said displaying the graphical user interface is performed in response to the user input requesting to display the graphical user interface.

15.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said automatically including the first parameter value in source code of the software program comprises automatically including the first parameter value in one of:

a function call in source code of the software program; or

a method call in source code of the software program.

16.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein the software program comprises a graphical program;

wherein said automatically including the first parameter value in source code of the software program comprises automatically including the first parameter value in graphical source code of the graphical program.

17.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 16,

wherein said automatically including the first parameter value in graphical source code of the graphical program comprises automatically configuring a node in the graphical program with the first parameter value.

18.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 17,

wherein said automatically configuring the node in the graphical program with the first parameter value comprises automatically connecting the first parameter value to the node.

19.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 17,

wherein said automatically configuring the node in the graphical program with the first parameter value comprises automatically configuring the node to utilize the first parameter value.

20.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said displaying the graphical user interface comprises displaying the graphical user interface in a separate window apart from the software program.

21.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said displaying the graphical user interface comprises displaying the graphical user interface in a portion of a program window for the software program.

22.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein the graphical user interface displays the plurality of [[possible]] valid parameter values as a list;

wherein said receiving user input to the graphical user interface to select the first parameter value comprises receiving user input to the graphical user interface to select the first parameter value from the list.

23.   (Currently Amended) The [[carrier]] computer-readable memory medium of claim 1,

wherein said dynamically determining the plurality of [[possible]] valid parameter values includes dynamically determining one or more property values;

wherein said receiving user input to the graphical user interface to select the first parameter value comprises receiving user input to the graphical user interface to select a first property value;

wherein the first property value is automatically included in the software program in response to the user input selecting the first property value.

9

24.   (Currently Amended) A [[carrier]] <u>computer-readable memory</u> medium comprising program instructions executable to:

determine a plurality of parameter values based on a hardware configuration of a computer system;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of parameter values;

receive user input to the graphical user interface to select a first parameter value from the plurality of parameter values; and

automatically include the first parameter value in source code of a software program in response to the user input selecting the first parameter value.

25.   (Currently Amended) A [[carrier]] <u>computer-readable memory</u> medium comprising program instructions executable to:

determine a plurality of resources of one or more measurement devices coupled to a computer system;

display a graphical user interface visually indicating a plurality of parameter values, wherein each parameter value corresponds to one of the resources;

receive user input to the graphical user interface to select a first parameter value from the plurality of parameter values; and

automatically include the first parameter value in source code of a software program in response to the user input selecting the first parameter value.

26.   (Currently Amended) A system comprising:

a processor;

a memory coupled to the processor, wherein the memory stores program instructions;

wherein the processor is operable to execute the program instructions stored in the memory to:

dynamically determine a plurality of [[possible]] <u>valid</u> parameter values;

display a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of [[possible]] <u>valid</u> parameter values;

receive user input to the graphical user interface to select a first parameter value from the plurality of [[possible]] <u>valid</u> parameter values; and

automatically include the first parameter value in source code of a software program in response to the user input selecting the first parameter value.

27.   (Currently Amended) A method for modifying source code of a software program, the method comprising:

dynamically determining a plurality of [[possible]] <u>valid</u> parameter values;

displaying a graphical user interface for selecting a parameter value, wherein the graphical user interface visually indicates the plurality of [[possible]] <u>valid</u> parameter values;

receiving user input to the graphical user interface to select a first parameter value from the plurality of [[possible]] <u>valid</u> parameter values; and

automatically including the first parameter value in source code of the software program in response to the user input selecting the first parameter value.

28.   (Canceled)

29.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1,

wherein said displaying the graphical user interface that visually indicates the plurality of [[possible]] <u>valid</u> parameter values is performed while a user is creating the software program;

wherein said automatically including the first parameter value in source code of the software program is performed to aid the user in creating the software program.

30.   (Currently Amended) The [[carrier]] <u>computer-readable memory</u> medium of claim 1,

wherein the software program comprises a graphical program;

wherein said automatically including the first parameter value in source code of the software program comprises automatically including the first parameter value in a block diagram of the graphical program.